MobiSys 2005

THE THIRD INTERNATIONAL CONFERENCE ON MOBILE SYSTEMS, APPLICATIONS, AND SERVICES

**June 6–8, 2005
Seattle, WA**

Jointly sponsored by
**The USENIX Association
and ACM SIGMOBILE,**
in cooperation with
ACM SIGOPS

ANNOUNCEMENT & CALL FOR PAPERS

http://www.usenix.org/mobisys05

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IMPORTANT DATES:

Paper abstracts due:	November 3, 2004
Workshop proposals due:	November 1, 2004
Full papers due:	November 8, 2004
Poster and demo proposals due:	January 31, 2005
Notification of acceptance:	February 7, 2005
Camera-ready final papers due:	May 3, 2005

OVERVIEW: MobiSys 2005 seeks to present innovative, significant research in the area of mobile and wireless systems. This will be a 2.5-day conference, featuring refereed paper presentations, demos, and poster sessions; it will be co-located with several closely related workshops. This conference builds on the success of the first two MobiSys conferences, held in San Francisco and Boston, which featured many high-caliber research papers and many interesting posters and demonstrations. The conference particularly values the practical experience gained from designing, building, and using mobile systems, applications, and services.

TOPICS: The conference addresses broad systems issues in mobile computing. Areas of interest include but are not limited to:

- Design, implementation, and evaluation of mobile and wireless systems
- Middleware and service architectures for mobile and wireless applications
- Data management for mobile and wireless applications
- Disconnected and weakly connected operation
- Proxies and data adaptation
- Mobile agents
- Operating systems for small devices
- Infrastructure support for mobility
- Security, privacy, authorization, and billing
- System-level energy management for mobile and wireless devices
- Wearable and handheld devices in the context of system design
- Personal mobility
- Personal-area networks and systems
- Resource discovery of mobile services
- Systems for location awareness and determination
- Application interfaces and services supporting the mobile user
- Systems support for mobile robots
- Experience with mobile and wireless systems
- Experience with sensor networks and systems
- Tools and design methodologies for building mobile and wireless systems
- Usage evaluations of mobile and wireless systems

The ideal MobiSys submission should present novel research that has resulted in the implementation or evaluation of running systems. Papers that describe the design of and experience with mobile system architectures are favored over those narrowly focused on low-level components. Please feel free to contact the Program Chairs at mobisys_pcchairs@acm.org to determine appropriateness.

BEST PAPER AWARD: An award will be given at the conference for the best paper.

WHAT TO SUBMIT: Submissions should be full papers, 12–14 single-spaced 8.5" x 11" pages, including figures, tables, and references, two-column format, using 10-point type on 12-point (single-spaced) leading with reasonable margins. Submissions will be judged on originality, significance, interest, clarity, relevance, and correctness. Accepted papers will be shepherded through an editorial review process by a member of the program committee.

MobiSys, like most conferences and journals, requires that papers must not be submitted simultaneously to any other conference or publication, that submissions must not be previously published, and that accepted papers must not be subsequently published elsewhere. Papers accompanied by nondisclosure agreement forms are not acceptable and will be returned to the author(s) unread. All submissions will be held in the highest confidentiality prior to publication in the Proceedings, both as a matter of policy and in accord with the U.S. Copyright Act of 1976.

HOW TO SUBMIT: Authors are required to submit a title and abstract by November 3, 2004, 12:00 midnight EST. Full papers are due November 8, 2004, 12:00 midnight EST. All submissions to MobiSys 2005 must be electronic, in PDF format. Detailed submission instructions will be posted on the conference Web site, http://www.usenix.org/mobisys05.

POSTER AND DEMO SESSIONS: Do you have interesting work you would like to share, or a great idea that is not quite ready to be published? Poster sessions are for you! The poster sessions introduce new or ongoing work. Demos of working systems and applications are also encouraged. The MobiSys audience will provide valuable discussion and feedback. We are particularly interested in presentations of student work. Please see http://www.usenix.org/mobisys05 for submission instructions.

WORKSHOP PROPOSALS: As in the past, MobiSys will be co-located with several workshops for highly focused discussions of new and emerging topics. This year, we are accepting proposals for workshop topics. Proposals—no longer than a few pages—should identify the workshop theme, potential program chair(s), potential program committee members, and a list of focused topic areas comprising the workshop's scope.

REGISTRATION MATERIALS: Complete program and registration information will be available in March 2005 on the conference Web site. The information will be in both HTML and a printable PDF file.